

I claim:

1. A method for cast molding an ophthalmic implant from two or more dissimilar materials comprising:
- filling a center cavity and allowing partial fill of junction cavities of a mold with a first biocompatible material;
- polymerizing said first biocompatible material in said center cavity while shielding and not polymerizing said first biocompatible material in said junction cavities;
- filling partially filled junction cavities and remaining cavities of said mold with a second biocompatible material dissimilar to said first biocompatible material;
- and
- polymerizing said first and second biocompatible materials in said junction cavities and said remaining cavities.

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2. A method for cast molding an intraocular lens from two or more dissimilar materials comprising:
- filling a center cavity and allowing partial fill of junction cavities of a mold with a first biocompatible material;
- polymerizing said first biocompatible material in said center cavity while shielding and not polymerizing said first biocompatible material in said junction cavities;
- filling partially filled junction cavities and remaining cavities of said mold with a second biocompatible material dissimilar to said first biocompatible material;
- and
- polymerizing said first and second biocompatible materials in said junction cavities and said remaining cavities.
3. The method of claim 1 or 2 wherein said first biocompatible material is selected from the group consisting of silicone polymers, hydrocarbon and fluorocarbon polymers, hydrogels, soft acrylic polymers, polyesters, polyamides, polyurethane, silicone polymers with hydrophilic monomer units, fluorine-containing polysiloxane elastomers and combinations thereof.

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4. The method of claim 1 or 2 wherein said first biocompatible material is 2-hydroxyethyl methacrylate (HEMA) and 6-hydroxyhexyl methacrylate (HOHEXMA), i.e., poly(HEMA-co-HOHEXMA).
5. The method of claim 1 or 2 wherein said second biocompatible material is selected from the group consisting of methacrylates, acrylates, hydrogels, silicone polymers and combinations thereof.
6. The method of claim 1 or 2 wherein said second biocompatible material is polymethyl methacrylate.
7. The method of claim 1 or 2 wherein said first and second biocompatible materials are polymerized using ultraviolet light.
8. The method of claim 1 or 2 wherein said first and second biocompatible materials are polymerized using heat.
9. The method of claim 1 or 2 wherein said first and second biocompatible materials are both hydrogel materials possessing dissimilar characteristics.
10. The method of claim 1 or 2 wherein said method includes polishing said ophthalmic implant or intraocular lens following removal from said mold.

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11. The method of claim 1 or 2 wherein said method includes sterilizing said ophthalmic implant or intraocular lens following removal from said mold.
12. An intraocular implant manufactured by the method of claim 1.
13. An intraocular lens manufactured by the method of claim 1 or 2.
14. An intraocular lens with two or more haptics manufactured by the method of claim 1 or 2.
15. An intraocular lens with two or more looped haptics manufactured by the method of claim 1 or 2.
16. An intraocular lens with two or more plate haptics manufactured by the method of claim 1 or 2.
17. Disposable molds for cast molding an intraocular implant from two or more dissimilar materials comprising a female base mold with a molding surface on an interior surface thereof, a center male mold with a molding surface on an interior surface thereof and one or more secondary male molds with a molding surface on an interior surface thereof.

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18. The disposable molds of claim 8 wherein said molds are formed from the same or different materials selected from the group consisting of polyurethanes, polypropylene, polyvinyl chloride and acrylates.

19. The disposable molds of claim 8 wherein said molds are formed from polyurethane.

20. The disposable molds of claim 8 wherein said molding surfaces have mold cavities surrounded by an extended edge or a recessed edge to prevent flash.

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